

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits   | Search Query                                                                                                                   | DBs                                                         | Default Operator | Plurals | Time Stamp          |
|-------|--------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|------------------|---------|---------------------|
| L3    | 137    | 2 and ((first or primary or main) (feed or stream) and (secondary or second) (feed or stream))                                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2010/01/20<br>08:57 |
| L2    | 3892   | 1 and @ad<"20030603"                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2010/01/20<br>08:57 |
| L1    | 12079  | ((422/139,147,214,212) or (208/78,113,120.01,120.15,70,100,103,49,63,64,65,66,67,72,73,74,75,106,81,146,147,148,149,80)).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2010/01/20<br>08:57 |
| L5    | 49     | 3 and (propane or LPG or liquefied petroleum gas)                                                                              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2010/01/20<br>08:58 |
| L4    | 259588 | 3 or (propane or LPG or liquefied petroleum gas)                                                                               | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2010/01/20<br>08:58 |
| L6    | 32     | 3 and (y or ZSm-5) zeolite                                                                                                     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2010/01/20<br>09:11 |
| L8    | 103    | 7 and @ad<"20030603"                                                                                                           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2010/01/20<br>09:12 |
| L7    | 156    | (plurality or plural or multiple or multiplicity) (feed or feedstock) same (riser or FCC)                                      | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2010/01/20<br>09:12 |
| L9    | 63     | (downer or dropper) and spent catalyst and regeneration                                                                        | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ              | ON      | 2010/01/20<br>09:13 |

|     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                             |     |    |                     |
|-----|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----|----|---------------------|
| L10 | 45 | 9 and @ad<"20030603"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2010/01/20<br>09:14 |
| L11 | 51 | (US-20030196933-\$ or US-20030196932-\$ or US-20010040118-\$ or US-20010035369-\$ or US-20020112988-\$).did. or (US-5616237-\$ or US-5087349-\$ or US-4764268-\$ or US-4359378-\$ or US-4826586-\$ or US-6869521-\$ or US-6866771-\$ or US-4218306-\$ or US-6416656-\$ or US-4869807-\$ or US-RE36403-\$ or US-5506365-\$ or US-5264115-\$ or US-5098554-\$ or US-4422925-\$ or US-3894932-\$ or US-4405445-\$ or US-3617497-\$ or US-5326465-\$ or US-5846403-\$ or US-5954942-\$ or US-5154818-\$ or US-4888103-\$ or US-4752375-\$ or US-4717466-\$ or US-5053204-\$).did. or (US-4927522-\$ or US-4892643-\$ or US-4863585-\$ or US-4802971-\$ or US-3928172-\$ or US-4090948-\$ or US-6656346-\$ or US-5468369-\$ or US-4929337-\$ or US-6296812-\$ or US-6558530-\$).did. or (US-3042196-\$ or US-3661799-\$).did. or (DE-4414551-A-\$ or NL-9300448-\$ or US-20010040118-\$ or US-20010035369-\$ or US-20010032803-\$ or US-20010032802-\$ or WO-0170908-\$ or WO-8702695-\$).did. | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT                    | ADJ | ON | 2010/01/20<br>09:18 |
| L13 | 2  | 11 and (producing or production or making) near (propane or LPG or liquefied petroleum gas)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2010/01/20<br>09:21 |
| L12 | 29 | 11 and (propane or LPG or liquefied petroleum gas)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT;<br>USOCR; FFRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2010/01/20<br>09:21 |

## EAST Search History (Interference)

| Ref # | Hits | Search Query                                                                           | DBs                   | Default Operator | Plurals | Time Stamp       |
|-------|------|----------------------------------------------------------------------------------------|-----------------------|------------------|---------|------------------|
| L14   | 1    | {fluid catalytic cracking with mixed feedstock with riser with LPG with zeolitic}.clm. | US-PGPUB; USPAT; UPAD | ADJ              | ON      | 2010/01/20 09:59 |
| L16   | 8577 | {feed with bottom}.clm.                                                                | US-PGPUB; USPAT; UPAD | ADJ              | ON      | 2010/01/20 10:00 |
| L15   | 0    | {feed A with bottom}.clm.                                                              | US-PGPUB; USPAT; UPAD | ADJ              | ON      | 2010/01/20 10:00 |
| L18   | 0    | {feed with downstream and maximum LPG and riser location}.clm.                         | US-PGPUB; USPAT; UPAD | ADJ              | ON      | 2010/01/20 10:01 |
| L17   | 0    | {feed with downstream with maximum LPG with riser location}.clm.                       | US-PGPUB; USPAT; UPAD | ADJ              | ON      | 2010/01/20 10:01 |
| L21   | 0    | {injection condition and high dispersion}.clm.                                         | US-PGPUB; USPAT; UPAD | ADJ              | ON      | 2010/01/20 10:02 |
| L20   | 0    | {injection condition with high dispersion}.clm.                                        | US-PGPUB; USPAT; UPAD | ADJ              | ON      | 2010/01/20 10:02 |
| L19   | 1    | {feed with downstream and LPG and riser location}.clm.                                 | US-PGPUB; USPAT; UPAD | ADJ              | ON      | 2010/01/20 10:02 |
| L24   | 1    | 14 and 19 and 23                                                                       | US-PGPUB; USPAT; UPAD | ADJ              | ON      | 2010/01/20 10:03 |
| L23   | 4    | {injection condition and dispersion}.clm.                                              | US-PGPUB; USPAT; UPAD | ADJ              | ON      | 2010/01/20 10:03 |
| L22   | 0    | {injection condition and dispersion with steam}.clm.                                   | US-PGPUB; USPAT; UPAD | ADJ              | ON      | 2010/01/20 10:03 |

1/ 20/ 2010 10:04:17 AM

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